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U S DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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U S APPLICATION NO (If known, see 37 CFR 1.5)

10/089684

INTERNATIONAL APPLICATION NO.

PCT/JP00/06320

INTERNATIONAL FILING DATE

September 14, 2000

PRIORITY DATE CLAIMED

October 5, 1999

TITLE OF INVENTION

MOBILE COMMUNICATION TERMINAL

APPLICANT(S) FOR DO/EO/US

Takaaki SAIGO

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
 2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
 3. ☒ This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).
 4. ☒ The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).
 5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
 6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
 8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
 9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
 10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
- Items 11 to 20 below concern document(s) or information included:**
11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
 12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
 13. ☒ A **FIRST** preliminary amendment.
 14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
 15. ☐ A substitute specification.
 16. ☐ A change of power of attorney and/or address letter.
 17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
 18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
 19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
 20. ☒ Other items or information:
Application Data Sheet
Four Sheets of Formal Drawings

U.S. APPLICATION NO (If known, see 37 CFR 1.50) 10/089684		INTERNATIONAL APPLICATION NO PCT/JP00/06320		ATTORNEYS DOCKET NUMBER 740670-274	
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21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492(a)(1) – (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO..... \$1040.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... \$890.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(3)) paid to USPTO \$740.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... \$710.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS <div style="border: 1px solid black; padding: 5px; height: 150px; display: flex; align-items: center; justify-content: center; font-size: 2em;">\$890.00</div>		PTO USE ONLY <div style="border: 1px solid black; height: 150px;"></div>	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE				
Total claims	25 - 20 =	5	X \$18.00	\$90.00			
Independent claims	2 - 3 =	0	X \$84.00	\$			
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$280.00	\$280.00			
TOTAL OF ABOVE CALCULATIONS =				\$1,260.00			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$			
SUBTOTAL =				\$1,260.00			
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$			
TOTAL NATIONAL FEE =				\$1,260.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$40.00			
TOTAL FEES ENCLOSED =				\$1,300.00			
				Amount to be refunded:	\$		
				Charged:	\$		

a. ☒ A check in the amount of \$1,300.00 to cover the above fees is enclosed.


b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-2380. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO

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SIGNATURE

Eric J. Robinson
NAME

38,285
REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re National Phase Patent Application of)
Takaaki SAIGO)
International Application No. PCT/JP00/06320) Attn: US/DO/EO
International Filing Date: September 14, 2000)
For: MOBILE COMMUNICATION)
TERMINAL) Date: April 2, 2002

PRELIMINARY AMENDMENT

Honorable Commissioner for Patents and Trademarks
Washington, D.C. 20231

Sir:

Please preliminarily amend the subject application as follows:

IN THE CLAIMS:

Please add and cancel claims 1-16 and add new claims 17-26 as follows:

- 17. A mobile communication terminal comprising:
- at least message receiving means for receiving a message sent from a communication partner sending the message;
 - storing means for storing a reception history of the messages received by said message receiving means;
 - displaying means for displaying the contents of the reception history of the messages stored by said storing means,
 - detecting means for detecting address information from the contents of the reception history of the messages displayed on said displaying means, and

registering means for registering with a directory the address information detected by said detecting means.

18. The mobile communication terminal according to claim 17, wherein said detected address information is displayed on said displaying means.

19. The mobile communication terminal according to claim 18, further comprising selecting means for, in the cases that there are a plurality of pieces of address information detected by said detecting means, displaying said plurality of pieces of address information on said displaying means and selecting from said displayed address information the address to be registered with said storing means.

20. The mobile communication terminal according to claim 19, further comprising editing means for editing said detected address information before registering said information.

21. The mobile communication terminal according to claims 17 to 20, wherein a method of registration is changed in accordance with the type of the address information detected by said detecting means.

22. The mobile communication terminal according to claims 17 to 20, wherein said directory has personal information about the communication partner with the personal information being associated with the registered address information.

23. The mobile communication terminal according to claim 22, wherein said registering means has associating means for associating said detected address information associating with the personal information about the communication

partner to register the associated information before registering said address information with the directory.

24. The mobile communication terminal according to claim 23, further comprising personal information searching means for searching the personal information about the communication partner.

25. The mobile communication terminal according to claim 23, further comprising personal information inputting means for newly inputting the personal information about the communication partner.

26. A mobile communication terminal comprising:

- at least a first step of receiving a message sent from a communication partner sending the message;
- a second step of storing a reception history of the messages received in said first step;
- a third step of displaying the contents of the reception history of the messages stored in the second step;
- a fourth step of detecting address information from the contents of the reception history of the messages displayed in the third step; and
- a fifth step of registering with a directory the address information detected in the fourth step.--

REMARKS

Claims 1-16 have been canceled and new claims 17-26 have been added to place the subject application in condition for allowance.

Examination on the merits is requested.

Respectfully submitted,



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SPECIFICATION**Mobile Communication Terminal****Technical Field**

- 5 The present invention relates to a mobile communication terminal such as a portable telephone or a PHS terminal, and to be more specific, to the mobile communication terminal having a telephone directory function and a message sending and receiving function.

10 **Background Art**

- A recent mobile communication terminal having a message sending and receiving function is capable of performing e-mailing, telephoning information gathering with the other end and so on by specifying an e-mail address, a telephone number, a contents address and so on. In that case, it is also
15 possible for the user to directly input the e-mail address, telephone number or contents address which is an address destination of the other end when creating the mail, making a telephone call or obtaining information from the contents.

- In many cases, however, such a mobile communication terminal has a telephone directory function and an address book function so that, without
20 directly inputting on transmission, it refers to the telephone directory and address book and transmits to that e-mail address, telephone number or contents address.

- On actual scenes, however, there are the cases where a list of the e-mail address and telephone number is written in the body of the received mail, or a
25 contact is written in the mail obtained from the contents. Accordingly, in the case of registering the telephone number, e-mail address and so on with the telephone directory, it is not always feasible to register them only from originator

information or the information on the destination of the sending mail.

In such cases, so far, the means whereby the mail contents are once displayed and are copied by the user on paper and so on, which is further registered with the telephone directory and the address book.

5 According to the conventional registration method, however, there are the cases where an error occurs when copying the information such as the e-mail address, telephone number and so on from the mail contents or when inputting the information written on paper, and consequently the wrong e-mail address and telephone number are registered. Furthermore, the procedure is complicated
10 and inconvenient.

An objective of the present invention is to provide mobile communication terminal capable of correctly and easily registering with the telephone directory the information such as the e-mail address and telephone number obtained as textual information as-is.

15 Another objective of the present invention is to provide the mobile communication terminal capable of easily performing modification and registration even in the case of partially modifying and registering with the telephone directory the information such as the e-mail address and telephone number obtained as textual information.

20

Disclosure of the Invention

To attain the above objective, the present invention provides a mobile communication terminal having detecting means for detecting a character string representing an address from text data of message contents displayed on a
25 display portion, displaying means for displaying on the display portion the address represented by the character string detected by the detecting means, operating means for, of the addresses displayed on the display portion, selecting

the address to be registered with storing means, and registering means for registering with the storing means the address selected by the operating means.

Moreover, the present invention provides the mobile communication terminal wherein in the case that a plurality of character strings representing the addresses are detected from the text data of message contents, the displaying means lists the plurality of addresses individually represented by the character strings to display them on the display portion.

Furthermore, the present invention provides the mobile communication terminal which allows the addresses to be registered with storing means by the registering means to be edited prior to the registration.

Furthermore, the present invention provides the mobile communication terminal which allows allowing the addresses to be registered by the registering means to be registered by adding them to the contents already registered with storing means.

Furthermore, the present invention provides a mobile communication terminal wherein when there is a certain symbol, alphanumeric character or the like in the detected character string, changing a pre-registration screen by the registering means.

Preferably, the address of the present invention includes any one or ones of a telephone number, an e-mail address and a home page address.

Brief Description of the Drawings

Figure 1 is a functional block diagram of a mobile communication terminal;

Figure 2 is a diagram representing an example of the body of a message receiving history;

Figures 3 and 4 are diagrams showing a processing sequence when

registering telephone directory data in an embodiment of the present invention;
and

Figure 5 is a diagram showing a data structure as an example in the
embodiment of the present invention.

5

Best Mode for Carrying out the Invention

Next, an embodiment of a mobile communication terminal of the present
invention will be described in detail by referring to Figures 1 to 4. Figure 1 is a
functional block diagram of a mobile communication terminal according to the
10 present invention, and Figure 2 is a diagram representing an example of the body
of a message receiving history. Figures 3 and 4 are processing flowcharts
showing a processing sequence when registering telephone directory data in the
embodiment of the present invention together with display examples displayed
on an LCD.

15 Moreover, an expression of "address information" is used in the following
description as the information for specifying a telephone number, an e-mail
address and a home page address.

As shown in Figure 1, a portable mobile communication terminal
according to the present invention has a CPU 101, a ROM 103, a RAM 105, an
20 external memory 121, a baseband 111, an RF portion 113 and an antenna 125
and besides, a sound codec 119, an MIC (microphone) 115, an SP (speaker) 117,
a display portion 107, keys 109 and a vibrating motor 123. The CPU 101
controls the entire portable mobile communication terminal.

The RF portion 113 sends a sound signal, a data signal (including text
25 data) or a control signal and so on from the antenna 125, or receives the sound
signal, data signal or control signal and so on from the antenna 125. And
sending and receiving signals are modulated and demodulated by the baseband

portion 111, and A/D conversion (analog to digital conversion) and D/A conversion (digital to analog conversion) are performed by the voice codec 119.

In addition, the MIC 115 is corresponding to a voice inputting portion, and the SP 117 is corresponding to a voice outputting portion. The display
5 portion 107 displays functions and setting items which the main unit has in addition to the information provided to the main unit. The keys 109 is comprised of dial buttons for inputting the telephone number of a called party telephone, off-hook keys for calling or answering and so on or function keys for setting various functions. The vibrating motor 123 is a vibrating apparatus for notifying a user of
10 reception by vibrating the telephone instead of notifying it by audible sound.

Moreover, the CPU 101 operates according to the control signals from the keys 109 and the baseband 111 in compliance with a program described in the ROM 103 so as to perform the functions of the main unit. In addition, system data such as terminal information is stored in the ROM 103. The CPU 101 is
15 also connected to the RAM 105, and stores history data (a transmission and reception history and the text data sent and received) of the transmitted and received messages and the data registered or set by the telephone directory function and so on.

In the embodiment, the data is stored by associating it with the
20 information for identifying a person. For instance, as in Figure 5, a kind of a card type database is constituted, and a card having data fields of name data, telephone number 1, telephone number 2, e-mail address 1 and e-mail address 2 is assigned to an individual. There may be a state where there is only the information on the telephone number 1 with no information on the telephone
25 number 2. In this case, when adding a new telephone number to certain individual information, it can be registered by adding it to the telephone number 2 for instance. In addition, it is possible to modify or delete a telephone number

for any information field by a normally used method. These processes are performed likewise to the e-mail address in addition to the telephone number.

The text data shown in Figure 2 is the one when the information on received mail is read from the RAM 105, and the contents of the received mail are
5 displayed on the display portion 107 via the CPU 101 in compliance with the program stored in the ROM 103.

However, there are the cases where, depending on the size of the display portion 107, the full text of Figure 2 is not displayed and the key, of the keys 109, is pressed to scroll and display it.

10 Here, in the contents of the received mail shown in Figure 2, there are two character strings corresponding to the address of the called party or the party for sending or receiving the information. One of them is the telephone number (03-000-0000 on the line 3), and the other is the e-mail address (aaa@bcd.ef.jp on the line 5). According to the present invention, it is possible
15 to easily register these two pieces of address information with the telephone directory by the user's operation. The operation of the processing sequence when registering with the telephone directory the address information included in the contents of the above received mail shown in Figure 2 will be described by using Figures 3 and 4.

20 During display of the contents of a mail reception history (or a mail transmission history) in Figure 3 (101), an operation menu of the telephone directory is displayed if the function [(!)] key is pressed (103). In the state where the operation menu is displayed, a [] key or a [→] key is pressed to move a cursor to the position of "address/number registration" of the menu items, and the
25 address/number registration" is selected by a [SET] key (105).

The telephone number (03-000-0000) and the e-mail address (aaa@bcd.ef.jp) which were retrieved from the contents of the mail reception

history are displayed on the display portion 107 (107). It is constituted so that, at this time, the CPU 101 extracts the character string having numbers, English letters, symbols and so on in a row as one block from the history contents. The key or key is pressed to select the telephone number or the e-mail address to be registered with the telephone directory.

If a [CANCEL] key is pressed on a telephone number or e-mail address selection screen (107), it returns to the operation menu of the telephone directory (105). The telephone number or the e-mail address to be registered with the telephone directory is determined by the [SET] key. In the case where the telephone number is selected, it moves on to the screen (109) displaying the telephone number on the line 1, "Register with the telephone directory" on a line 2 and "Make a call" on the line 3. If the key or key is pressed to select "Register with the telephone directory" (115), it moves on to a telephone directory registration screen (201) in Figure 4. In addition, if "Make a call" is selected, it performs the same operation as transmission from the history (117). To return to the previous screen (107) during the selection, the [CANCEL] key is pressed.

On the other hand, in the case where the e-mail address is selected, it moves on to the screen (111) displaying the e-mail address on the line 1, "Register with the telephone directory" on the line 2 and "Send mail" on the line 3. It is constituted so that, at this time, the CPU 101 determines whether it is the e-mail address or the telephone number by a normally used identification method such as determining existence or nonexistence of @ in the character string having alphanumerics, symbols and so on in a row from the history contents so as to perform display control as desired. If the key or key is pressed to select "Register with the telephone directory" (115), it moves on to a telephone directory registration screen (201) in Figure 4. In addition, if "Send mail" is selected, it moves on to the screen for performing P mail DX creation (e-mail

creation) (113). To return to the previous screen (107) during the selection, the [CANCEL] key is pressed.

On the telephone directory registration screen (201) in Figure 4, the [] key or [→] key is pressed to select one of "New registration" on the line 2,
5 "Register a number" on the line 3 and "Add an address" on the line 4.

In the case where "New registration" is selected, it moves on to a name registration screen so that the name to be newly registered with the telephone directory can be entered (203). If there is no vacancy in the telephone directory at this time, it displays the message of "No vacancy" on the line 2 and returns to a
10 stand-by state (227).

On the name entry screen, ten keys [1] to [0], a [Telephone directory] key, the function keys [F] and [(!)], the [] key and [→] key and so on are used to enter the name to be registered (kanji, hiragana, katakana, alphanumerics and symbols), where "Mobile Unit Planning" is entered in Figure 4 (205).

15 When the entry of the name is finished, a [Mail] key is pressed to move on to the screen for phonetically typing the name (half-size katakana, alphanumerics) (207). To return to the previous screen (205) during the phonetically typing, the [CANCEL] key is pressed. If the phonetically typed name is acceptable, the [Mail] key is pressed to move on to the screen (209) for
20 entering a first telephone number.

Here, in the case where the telephone number is selected on the selection screen (107) in Figure 3, the telephone number (03-000-0000) selected on the selection screen (107) in Figure 3 is displayed under "TEL (1)" on the line 2 on the screen (209) for entering the first telephone number.

25 If the displayed telephone number (03-000-0000) is acceptable, it is confirmed by pressing the [Telephone directory] key to move on to an entry selection screen (211). If "Termination" on the line 3 is selected on the entry

selection screen (211), the registration of the telephone number is completed. Moreover, in the case where unnecessary alphanumerics and so on are added to the displayed telephone number (03-000-0000), it is also possible to delete them by using the key 109 and then confirm and edit it.

5 On the other hand, in the case where the e-mail address is selected on the selection screen (107) in Figure 3, nothing is displayed under "TEL (1)" of the line 2. The [Telephone directory] key is pressed in this state to move on to the entry selection screen (211), and an address (1) is selected, of the entry items, by pressing the [] key or [→] key.

10 On a first e-mail address entry screen (221) where it moves to, the e-mail address (aaa@bcd.ef.jp) selected on the selection screen (107) in Figure 3 is displayed under "Address (1)" of the line 1 thereon. If the displayed e-mail address (aaa@bcd.ef.jp) is acceptable, it is confirmed by pressing the [Mail] key to move on to an entry selection screen (216). If "Termination" on the line 3 is
15 selected on the entry selection screen (216), the registration is completed (228). Moreover, in the case where unnecessary alphanumerics and so on are added to the displayed e-mail address (aaa@bcd.ef.jp), it is also possible to delete them by using the key 109 and then confirm and edit it.

 On the entry selection screen (211), there are entry selection items which
20 can be moved on to a group setting screen (213) and a secret setting screen (215), apart from a TEL (2) (a second telephone number) and the Address (1) (the first e-mail address).

 A group is a function capable of classifying registered users into predetermined groups. It is possible, by grouping the registered users, to
25 perform an efficient search, change a ring tone or icon display for each group. Secret setting is a function of preventing the information on registered users from being seen by a third party, which requires a secret number in the case of

displaying the registered user.

Next, the case where, on the telephone directory registration screen (201) in Figure 4, "Add a number" on the line 3 or "Add an address" on the line 4 is selected will be described.

5 First, in the case where the telephone number (03-000-0000) is selected on the selection screen (107) in Figure 3, "Add a number" on the line 3 on the telephone directory registration screen (201) in Figure 4 is selected by pressing the [] key or [->] key.

Next, the screen (217) capable of selecting whether to perform a group
10 search or a name search when searching for the registered user is displayed. In the case where it is registered in the name of "Mobile Unit Planning" as in the example in Figure 4, it is possible to perform the name search for that name.

As the telephone number to be added under "Mobile Unit Planning," the telephone number (03-000-0000) selected on the selection screen (107) in Figure
15 3 is displayed (223). If the [Telephone directory] key is pressed in this state, it is registered in the vacancy of either TEL (1) or TEL (2) (229).

On the other hand, in the case where the e-mail address (aaa@bcd.ef.jp) is selected on the selection screen (107) in Figure 3, "Add an address" on the line 4 on the telephone directory registration screen (201) in Figure 4 is selected by
20 pressing the [] key or [->] key.

Next, a screen (219) capable of selecting whether to perform the group search or the name search when searching for the registered user is displayed. In the case where it is registered in the name of "Mobile Unit Planning" as in the example in Figure 4, it is possible to perform the name search for that name.

25 As the e-mail address to be added under "Mobile Unit Planning," the e-mail address (aaa@bcd.ef.jp) selected on the selection screen (107) in Figure 3 is displayed (225). If the [Telephone directory] key is pressed in this state, it is

registered in the vacancy of either the Address (1) or Address (2) (229).

While the embodiment of the portable communication terminal according to the present invention was described in detail above, the present invention is not limited to the aforementioned embodiment but is changeable as far as it does not deviate from the general description thereof.

For instance, while the aforementioned embodiment was described by taking the telephone directory of the mobile communication terminal as an example, it is applicable to the cases where a target of the registration is an address book, a bookmark book or an address entry field when creating new mail.

In addition, while only the telephone number and the e-mail address were described as the address information in the embodiment, it functions likewise to arbitrary address information such as a home page address (for instance, <http://somewhere.co.jp>) by adding a detection method used in a detection mechanism of the present invention. Such detection is performed by the normally used method.

Moreover, while the database was described as the card type database in the description, the mechanism for detecting and registering the address information from the contents of textual information according to the present invention functions in any data configuration.

Any of the above additions and changes is derived from a basic configuration wherein the address information is automatically detected and registered, which is a characteristic of the present invention.

25 **Industrial Applicability**

Thus, it is possible, according to the present invention, to provide the mobile communication terminal capable of correctly and easily registering with

the telephone directory the information such as the e-mail address and telephone number obtained as textual information as-is.

- Furthermore, it is possible to provide the mobile communication terminal capable of easily performing modification and registration even in the case of
- 5 partially modifying and registering with the telephone directory the information such as the e-mail address and telephone number obtained as textual information.

CLAIMS

1. A mobile communication terminal having message sending and receiving means for sending/receiving a text message to and from a party on the other end or a party sending/receiving information, displaying means for
5 displaying said text message, and storing means for storing address information said terminal comprising:
 - detecting means for detecting the address information from the contents of said text message contents; and
 - 10 registering means for registering said detected address information with said storing means.
2. The mobile communication terminal according to claim 1, wherein said detected address information is displayed on said displaying means.
- 15 3. The mobile communication terminal according to claim 2, wherein, in the cases that there are a plurality of pieces of address information detected by said detecting means, said plurality of pieces of address information are displayed on said displaying means.
- 20 4. The mobile communication terminal according to claim 3, further comprising selecting means for selecting from said displayed address information the address to be registered with said storing means.
- 25 5. The mobile communication terminal according to any one of claims 1 to 4, further comprising editing means for editing said detected address information before registering said information.

6. The mobile communication terminal according to any one of claims 1 to 5, wherein in that said address information includes at least any one of a telephone number, an e-mail address and a home page address.
- 5 7. The mobile communication terminal according to any one of claims 1 to 6, wherein a method of registration changed in accordance with the type of the address information detected by said detecting means.
- 10 8. The mobile communication terminal according to any one of claims 1 to 7, wherein the address information detected from the text message contents displayed on said display portion.
- 15 9. The mobile communication terminal according to any one of claims 1 to 8, wherein said storing means stores individual information on the party on the other end or the party sending/receiving the information with the individual information being associated with the address information.
- 20 10. The mobile communication terminal according to claim 9, wherein said registering means has associating means for associating said detected address information with the individual information to register the associated information before registering said address information with the storing means.
- 25 11. The mobile communication terminal according to claim 10, wherein said detected address information is associated with the individual information already registered with said storing means and the associated information is registered.
12. The mobile communication terminal according to claim 11, further

comprising individual information searching means for searching the registered individual information.

13. The mobile communication terminal according to claim 10, wherein said
5 detected address information is associated with the individual information to be newly registered and the associated information is registered.

14. The mobile communication terminal according to claim 11, characterized
10 by comprising individual information inputting means for newly inputting the individual information.

15. The mobile communication terminal according to any one of claims 1 to 14, wherein said storing means can further store the message contents, and said terminal further comprises reference displaying means for displaying said stored
15 message contents on said display portion.

16. A mobile communication terminal for sending/receiving a text message to and from a party on the other end or a party sending/receiving information, displaying said text message and storing address information, said terminal
20 comprising:

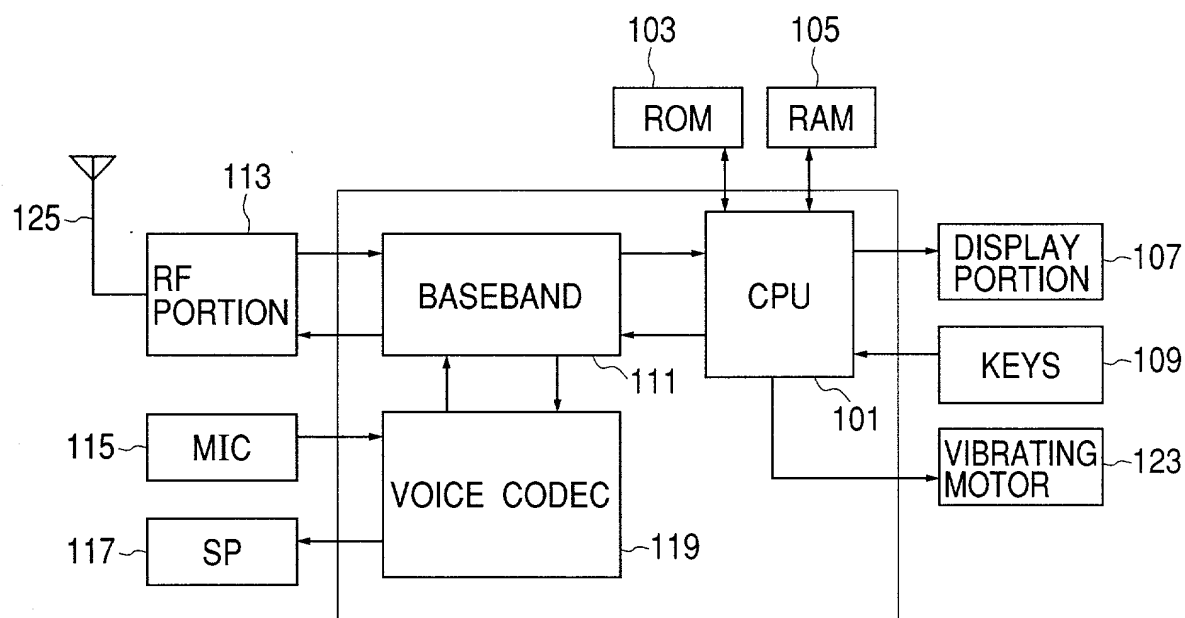
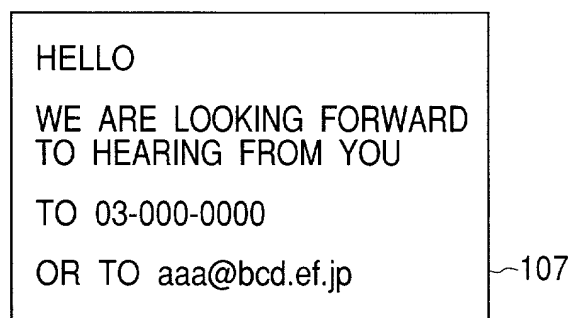
a detecting step of detecting the address information from said text message contents; and

a registering step of registering said detected address information with said storing means.

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ABSTRACT

A mobile communication terminal for registering information, e.g. an e-mail address or a telephone number obtained in the form of characters correctly and easily, as it is or after correcting part of such information, in a telephone directory. Two character strings corresponding to the address of the party to be called or the party with which information is communicated are present in the contents of a received mail shown in Figure 2. One character string represents a telephone number (03-000-0000 on the third line) and the other character string represents an e-mail address (aaa @ bcd.ef.jp on the fifth line). A character string representative of these two addresses is retrieved, displayed on a display section and registered in a telephone directory by selecting the displayed address.

FIG. 1**FIG. 2**

2 / 4

FIG. 3

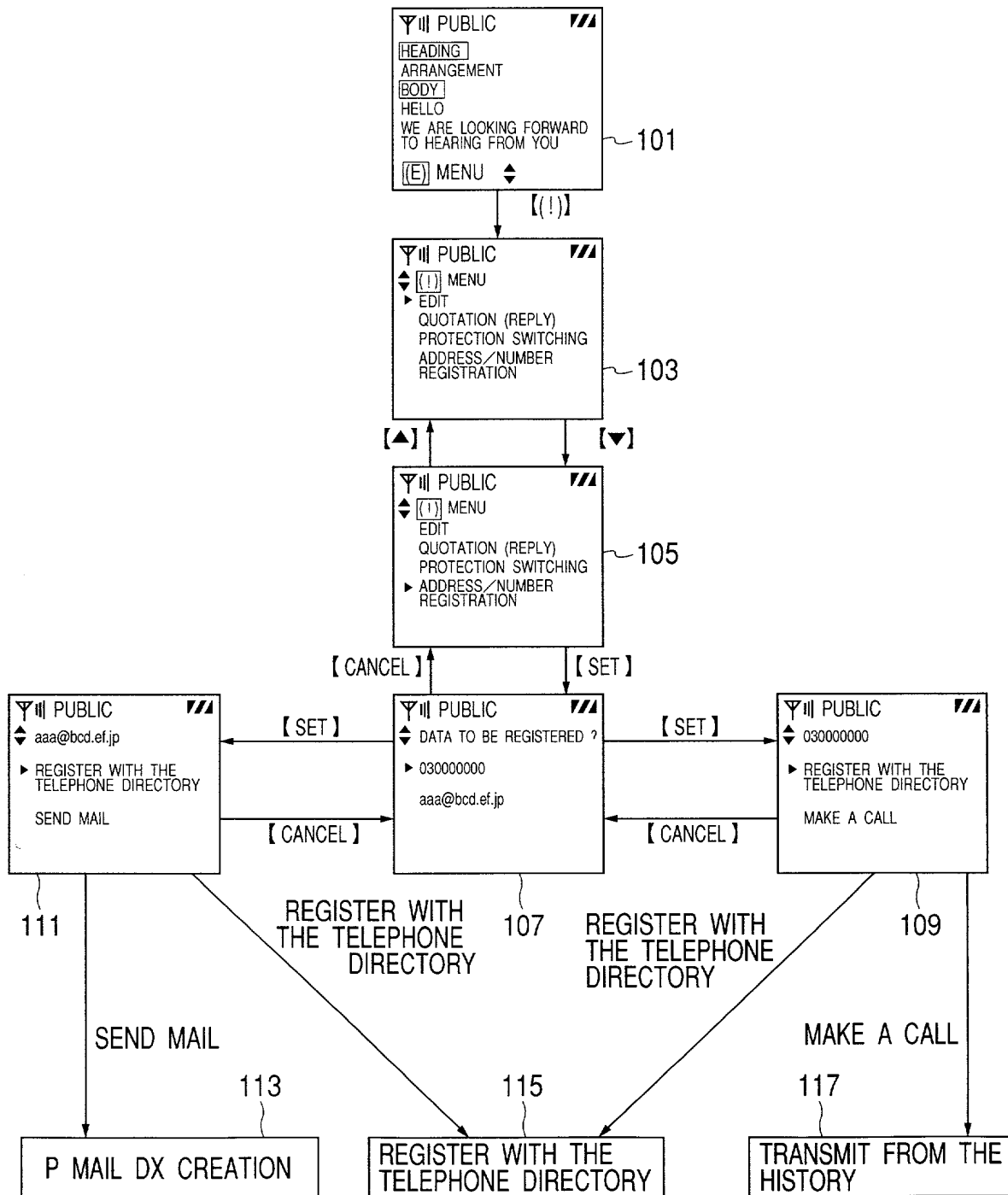


FIG. 4

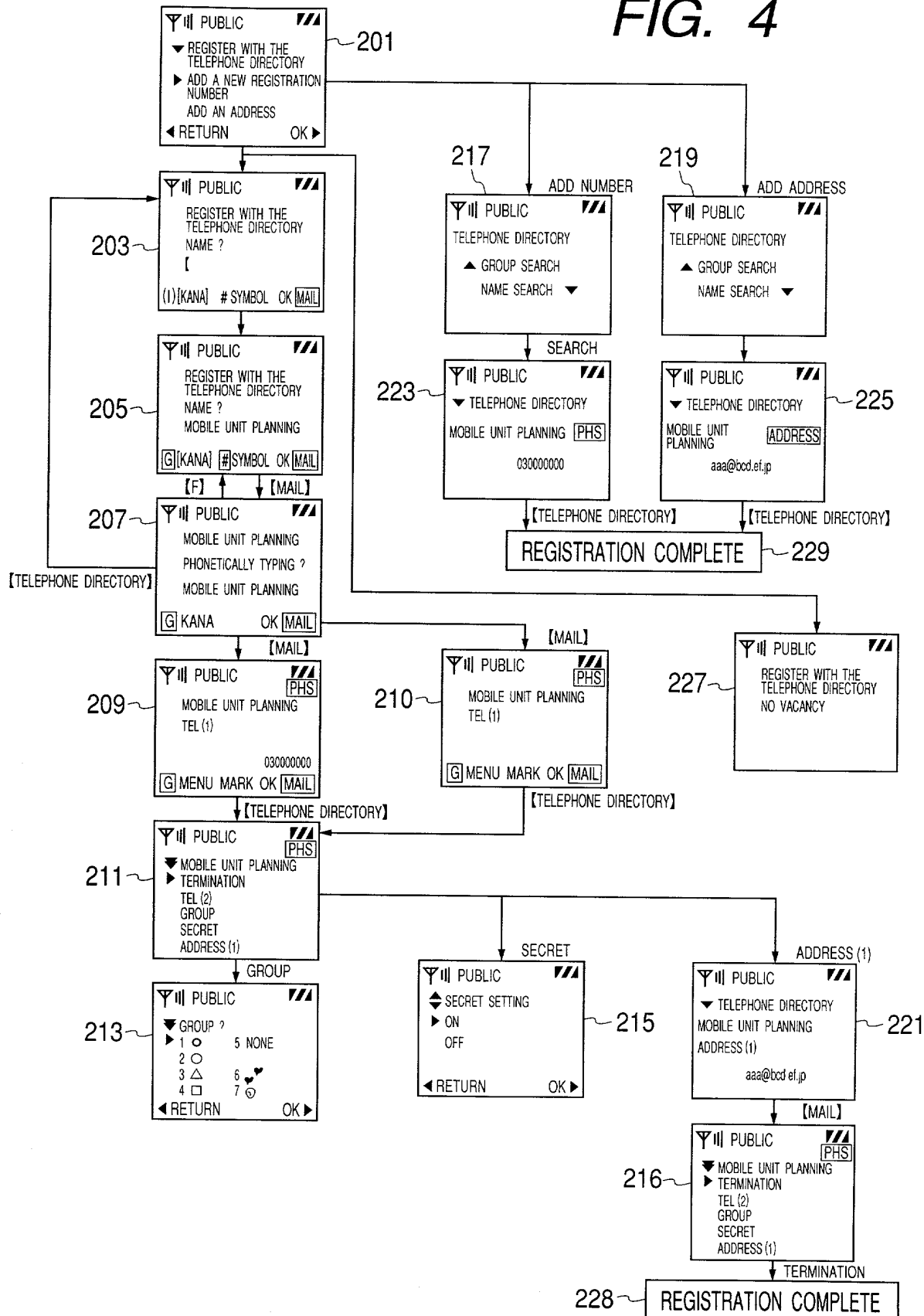


FIG. 5

DATA ON A CERTAIN INDIVIDUAL

NAME DATA	SOMEONE
TELEPHONE NUMBER (1)	01-2345-6789
TELEPHONE NUMBER (2)	
E-MAIL ADDRESS (1)	someone@mail.co.jp
E-MAIL ADDRESS (2)	

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

(Includes Reference to PCT International Applications)

Attorney Docket No:

As a below named inventor, I hereby declare that:

My residence post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **MOBILE COMMUNICATION TERMINAL**

the specification of which (check only one item below):

☐ is attached hereto.

☐ was filed as United States application

Serial No.

on

and was amended

on _____ (if applicable).

☒ was filed as PCT international application

Number **PCT/IP00/06320**

on **September 14, 2000**

and was amended under PCT Article 34

on **August 31, 2001** (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations. § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international applications(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

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Japan	Patent Appln. No. 11-284766	05. 10. 99	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

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U.S. APPLICATIONS		STATUS (Check one)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)		

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorize any U.S. attorney or agent named herein to accept and follow instructions from Nobuaki KATO and Nobumitsu ASAHI as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys or agents named herein will be so notified by the undersigned.

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